

BC #12



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PCT09

RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/787,714A

TIME: 14:24:16

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\03132002\I787714A.raw

3 <110> APPLICANT: Descamps, Valerie
 4 Klarszinsky, Olivier
 5 Barbeyron, Tristan
 6 Cloarec, Bernard
 7 Fritig, Bernard
 8 Joubert, Jean-Marie
 9 Plesse, Bertrand
 10 Yvin, Jean-Claude
 12 <120> TITLE OF INVENTION: Endofucanases and Method Using Same for Preparing Fuco-
 oligosaccharides
 13 from Fucanes, Bacterium Producing Endofucanases and Uses of Fuco-
 14 oligosaccharides for Plant Protection
 16 <130> FILE REFERENCE: 32976-256844
 18 <140> CURRENT APPLICATION NUMBER: US 09/787,714A
 C--> 19 <141> CURRENT FILING DATE: 2001-12-31
 21 <150> PRIOR APPLICATION NUMBER: PCT/FR99/02243
 22 <151> PRIOR FILING DATE: 1999-09-21
 24 <160> NUMBER OF SEQ ID NOS: 6
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 1474
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Unknown
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Gram-negative rod bacterium
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 37 <221> NAME/KEY: misc_feature
 38 <222> LOCATION: (12)..(12)
 39 <223> OTHER INFORMATION: "n" = a or g or c or t/u, unknown or other
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 43 <221> NAME/KEY: misc_feature
 44 <222> LOCATION: (1124)..(1124)
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 53 gcctcttact gcgggatagc ccagagaaat ttggattaat atcgcatagc ataacgaccc 180
 55 cgcattggat gttattaaag gttacggtaa gagatgagta tgcgttctat tagctagatg 240
 57 gagtggtaac ggcacacccat ggcaacgata gatagggggc ctgagagggg gatccccac 300
 59 actggtactg agacacggac cagactccta cgggaggcag cagtgaggaa tattggacaa 360
 61 tggaggcaac tctgatccag ccatgccgcg tgcaggaaga cggccctatg ggttgtaaac 420
 63 tgcttttata cgggaagaaa caccgctacg tgtagccttt gacggtaccg taagaataag 480
 65 gatcggctaa ctccgtgccg gcagccgcgg taatacggag gatccaagcg ttatccggaa 540
 67 tcattgggtt taaaggggtc gtagtggatg attaagtcag aggtgaaatc ctgccgctca 600

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69 acggtagaat tgcctttgat actggttatc ttgaatcaat gtgaagtggg tagaatatgt      660
71 agtgtagcgg tgaaatgcat agatattaca tagaatacca attgcgaagg cagatcacta      720
73 acattgtatt gacactgatg gacgaaagcg tggggagcga acaggattag ataccctggg      780
75 agtccacgcc gtaaacgatg gatactagct gttcggattt atctgagtggt ctaagcgaaa      840
77 gtgataagta tcccacctgg ggagtacgtt cgcaagaatg aaactcaaag gaattgacgg      900
79 gggcccgcac aagcggtgga gcatgtggtt taattcgatg atacgcgagg aaccttacca      960
81 gggcttaaat gtagattgca ttaggtggag acacttattt cttcggaaca tctacaaggt     1020
83 gctgcatggt tgtcgtcagc tcgtgccgtg aggtgtcagg ttaagtccta taacgagcgc     1080
W--> 85 aacccccgtt gttagttgcc agcgagtcac gtcgggaact ctancaagac tgccagtgca     1140
87 aactgtgagg aaggtgggga tgacgtcaaa tcatcacggc ccttacgtcc tgggctacac     1200
89 acgtgctaca atggtaggga cagagagcag ccaactggcg accaggagcg aatctataaa     1260
91 cctatcacca gttcgggatcg gagtctgcaa ctcgactccg tgaagctgga atcgctagta     1320
93 atcgcatatc agccatgatg cgggtgaatac gttcccgggc cttgtacaca ccgcccgtca     1380
95 agccatggaa gctggggagt cctgaagtcc gtcaccgcaa ggagcggcct agggtaaaaat     1440
97 cggtaaactag ggctaagtcg taacaagggtg tccg                                     1474
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102 <212> TYPE: PRT
103 <213> ORGANISM: Unknown
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Gram-negative rod bacterium
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117 <213> ORGANISM: Unknown
119 <220> FEATURE:
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128 Gly Lys
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134 <212> TYPE: PRT
135 <213> ORGANISM: Unknown
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Gram-negative rod bacterium
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152 <212> TYPE: DNA
153 <213> ORGANISM: Unknown
155 <220> FEATURE:

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161 tcacctatac ttaatcttac cgatggaaaaa ggatcattcg cctataatta tactttgcaa      120
163 ttaggaaccg attattatga ttttgaaggt gatgcactta ctattactaa aacatcagga      180
165 cctgattggc tcaccattca aca                                     203
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170 <212> TYPE: PRT
171 <213> ORGANISM: Unknown
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Gram-negative rod bacterium
176 <400> SEQUENCE: 6
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183      20          25          30
186 Phe Ala Tyr Asn Tyr Thr Leu Gln Leu Gly Thr Asp Tyr Tyr Asp Phe
187      35          40          45
190 Glu Gly Asp Ala Leu Thr Ile Thr Lys Thr Ser Gly Pro Asp Trp Leu
191      50          55          60
194 Thr Ile Gln
195 65

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VERIFICATION SUMMARY

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L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1